

## 4.2.5 Production Acceptance Notification Message

After the data have been ingested/archived by ECS, ECS automatically sends an Product Acceptance Notification (PAN) message in PVL via FTP to the SAGE III MOC. The PAN FTP\_ announces the completion of data transfer and archival, and identifies any errors or problems that have been encountered. There are two types of the PAN messages: a short PAN message and a long PAN message. The short PAN message is sent to acknowledge a successful data transfer or indicates an error that affects all files defined in the PDR. A long PAN message is sent to provides disposition(s) on a specific file group(s) defined in the PDR. Tables 4-4 and 4-5 define the PAN messages.

**Table 4-4. Short Production Acceptance Notification Message - PVL Parameters**

	Parameter <sup>2</sup>	Description	Type/Format (Length in Bytes)	Value <sup>2</sup>
1	Message Type	Short Production Acceptance Notification	Fixed String/ASCII (9)	Short PAN
2	DISPOSITION	Disposition of Data Transfer <sup>1</sup>	Variable String/ASCII (64)	Successful Network Failure Unable to Establish FTP Connection All File Groups/Files not found FTP failure FTP command error ECS internal error Request Canceled Metadata preprocessing error Resource allocation failure Data base access error Incorrect number of metadata files Incorrect number of science files Incorrect number of files Data conversion failure Unknown data type invalid or missing file type File I/O error Data archive error <a href="#">Post-trans file size check failure</a> <a href="#">Duplicate filename in granule</a>
3	TIME_STAMP	ISO Time when Destination System transferred the last part of the data	ASCII (20)	yyyy-mm-ddThh:mm:ssZ, where T and Z are literals

Note 1: In any given instance, only one disposition value may be provided. In cases where multiple errors have occurred, the disposition value corresponding to the first error encountered will be provided.

Note 2: Each parameter/value statement is followed by an EOL mark

**Table 4-5. Long Production Acceptance Notification Message - PVL Parameters**

Item No.	Parameter <sup>2</sup>	Description	Type/Format (Length in Bytes)	Value <sup>2</sup>
1	MESSAGE TYPE	Long Production Acceptance Notification	Fixed String/ASCII (8)	Long PAN
2	NO_OF_FILES	Number of Files in PDR	ASCII (4)	TOTAL_FILE_COUNT parameter in PDR

For each File in the PDR

1	FILE_DIRECTORY	ASCII string specifying file directory location	ASCII (<256) Equivalent to PDR length	DIRECTORY_ID parameter in PDR
2	FILE_NAME	File names on system creating PDR	ASCII (<256) Equivalent to PDR length	FILE_ID parameter in PDR
3	DISPOSITION	Disposition of Ingest Request <sup>1</sup>	Variable String/ASCII (64)	Successful Network Failure Unable to Establish FTP Connection All File Groups/Files not found FTP failure FTP command error ECS internal error Request Canceled Metadata preprocessing error Resource allocation failure Data base access error Incorrect number of metadata files Incorrect number of science files Incorrect number of files Data conversion failure Unknown data type invalid or missing file type File I/O error Data archive error <a href="#">Post-trans file size check failure</a> <a href="#">Duplicate filename in granule</a>
	TIME_STAMP	ISO Time when Destination System transferred the last part of the data	ASCII (20)	yyyy-mm-ddThh:mm:ssZ, where T and Z are literals

Note 1: In any given instance, only one disposition value may be provided. In cases where multiple errors have occurred, the disposition value corresponding to the first error encountered will be provided.

Note 2: Each parameter/value statement is followed by an EOL mark.

#### 4.2.6 Error Conditions

During the course of data exchange via FTP, the following error conditions may arise:

- a. Failure to establish TCP/IP connection
- b. Erroneous FTP command
- c. File Not Found (listed in PDR, but not found on disk)
- d. File Not Readable due to Permissions